

ABSTRACT OF THE DISCLOSURE

A coding assisting equipment is provided in which transmission information is fed in such a manner as to be divided into words having a predetermined word length and is coded collectively through a computing unit that is formed as a combinational circuit. A decoding assisting equipment is provided in which a received sequence is fed in such a manner as to be divided into words having a predetermined word length and is decoded collectively through a computing unit that is formed as a combinational circuit. A radio transmitter and a radio receiver are provided that incorporates the above coding assisting equipment and the decoding assisting equipment, respectively. In a transmission system to which the invention is applied, the service quality and the transmission efficiency are increased in an inexpensive manner, resources are utilized effectively, and flexible application of a variety of systems is enabled.